

NOVEMBER/DECEMBER 2024

CEBC63 — IMMUNOLOGY (Elective — II)

Time : Three hours

Maximum : 75 marks



SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

2. Name the primary lymphoid organ.
2. Expand the following :
 - (a) ADCC
 - (b) MALT
3. Define antigens.
4. Name the classes of immunoglobulins.
5. What are called complement proteins?
6. Name the cytokines secreted by helper T cell.
7. Give examples for immunosuppressive drugs.
8. What is meant by allograft?
9. Summarize DNA vaccines.
10. Write the principle of RIA.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Discuss the process of phagocytosis.

Or

- (b) Explain the structure of granulocytes.

12. (a) Explain the properties of antigens.

Or

- (b) Explain the structure of immunoglobulins.

13. (a) Explain precipitation reactions.

Or

- (b) Describe complement components.

14. (a) Explain immunity to viral infections.

Or

- (b) Outline the mechanism of allograft rejection.

15. (a) Demonstrate the steps involved in ELIZA.

Or

- (b) Summarize the types of immunization.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the factors governing innate immunity.

17. Discuss the classes of immunoglobulins.

18. Describe the classical pathway of complement.

19. Explain the mechanism of type I hypersensitive reactions.

20. Demonstrate radial immuno diffusion.

